TOA Worksite Protection Bombo Tunnel



DOCUMENT NO.	D2023/7800		
WORK DESCRIPTION	Routine track and infrastructure maintenance at Bombo Tunnel		
WPP Number	SC35A2 10118 SAP Code		
SCOPE:	This SWI is applicable for the worksite protection arrangements using a Track Occupancy Certificate (TOA) concerning routine network maintenance, defect management and repair of assets within the limits specified below and in the attached plan. Work activities include: Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.		
AUTHORISATIONS:	Protection Officer: • Protection Officer Level 2 or higher.		
SAFETY CONTROLS – Track Occupancy Authority (TOA)	The nominated worksite location is: • 44.6 Home Signal to 45.5 Home Signal on the South Coast Branch Line The TOA Limits are • 44.7 Home Signal to 45.8 Home Signal on the Bombo Quarry Siding / Kiama Down Siding • 44.3 Home Signal to 45.6 Home Signal on the South Coast Branch Line • End of terminal line on the Turntable Siding and Kiama Down Siding EOL/ESML handles need to be removed for • 50 points at Bombo • 54 points at Kiama Protection is placed at: • Railway Track Signal protection and Worksite Protection Markers at 117.215KM on the South Coast Branch Line • Railway Track Signal protection and Worksite Protection Markers at 119.455KM on the South Coast Branch Line and Kiama Down Siding		
PRESTART REQUIREMENTS:	Protection Officer assessment checklist must be completed before instructions in this SWI are followed. Tools and equipment required: Protection Officer requires a phone to contact the Signaller. Qualified Workers placing protection require: - 6 x Railway Track Signals - 2 x Worksite protection markers		
FURTHER INFORMATION:	NWT 300 Planning work in the Rail Corridor NWT 304 Track Occupancy Authority NPR 702 Using a Track Occupancy Authority NRF 002 Track Occupancy Authority (TOA) NPR 712 Protecting work from rail traffic on adjacent lines NGE 200 Walking in the Danger Zone NPR 709 Using Railway Track Signals NLA 418 Wollongong – Bomaderry (Nowra)		

SWI Custodian: Maintenance Operations Manager South Coast Territory SWI Approver: Deputy Executive Director Network Maintenance

OFFICIAL UNCONTROLLED COPY WHEN PRINTED

Issue Date: 18/09/2023 Version: 1.1 Page 1 of 10

TOA Worksite Protection Bombo Tunnel



Protection Officer assessment checklist			
Protection Officer's name:			Yes (Tick if Yes)
This document is still current at the time of its application? (up to 12 months from the document issue date)			
SWI details and protection arrangements location, including:	have been reviewed and validated for the	assessed worksite	
 On-site safety assessment has been completed for relevancy of works being undertaken The required protection details, environment and tasks are unchanged from the details of this SWI 			
The Protection Officer and Qualified Workers deploying qualifications are current and have practiced in the last 6 months. If not practiced, then a Rail Safety Coach must be contacted for guidance.			
Corridor Safety Number	Protection Officer Signature	Da	ite

Warning



If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

TOA Markeita Protection Rombo Tunnel



TOA Worksite Protection Bombo Tunnei				
Vorksite Protec	ction Pre-work Briefing	E	Briefing date:	1 1
rotection Office	r Details		<u> </u>	
	name	signature		contact No
Work location:	Bombo Tunnel			
Scope of work:	Routine network maintenance	activities		
Worksite protection	on: Track Occupancy Authority	y (TOA)	Refer to Worksite Protec	ction Plan for details
	e specific hazards identified, environment, human errors, plant	Controls (to be implemented to elir risk to the lowest practicable level)	minate or reduce the	Person responsible for Control
• Struck	by rail traffic	Ensure that railways track signal per worksite protection plan condocument Protection Officer to verify that pare placed correctly as contained document. Workers to remain within works in this procedure.	ntained in this protection markers ed in this	Protection Officer
Live adjacent lines		Protection Officer's pre work brief contains designated work and walk area instructions. All work must stop when warned by Protection Officer until rail traffic has passed.		Protection Officer
• Slips,	s to / Egress from worksite trips, falls and hazards ng equipment	Access and egress points must be agreed prior to entering the danger zone, consideration should be given to ease of access and safest possible entry and exit points. Protection Officer will assess and instruct when it is safe for workers to use NGE 200 Walking in the Danger Zone to move to the worksite or safe place.		All
• Mobile	e phone	Mobile phones use is not permi zone unless being used by mair critical maintenance communication of defects.	ntenance staff for	All

Safe Work Instruct			Transport	
TOA Worksite Protection Bombo Tunnel				
Vorkplace Supervisor D	etails			
	name		contact No	
Emergency assembly po	int:	SWMS/SWI Ref #:		
First Aid kit location:		First Aider:		
Vorkplace Supervisor	· Acknowledgement			
	owledges that all identified WHS and rail safety the manage and/or eliminate the hazards.	nazards have the Yes 🗆	signature	
-	ng are to question the Briefer if they don't unders	stand any part of this briefing		
All workers listed below ackno		Land any part of this showing.		
have been inducted to the site are free from the effects of alcohol/drugs/fatigue hold the applicable and current Rail Safety Worker Authorisation, trade licence and/or induction record e.g. Construction Industry Induction wear the appropriate Personal Protective Equipment (PPE)		 have been briefed on the contents of the Worksite Protection Plan have been shown the Worksite Protection Plan diagram understand the kinds and limits of worksite protection in place have been briefed about any new hazards and controls identified during the final site inspection (final site inspection must be conducted immediately before commencing work) 		
Mark each check box below with a	tick $ec{oldsymbol{ec{oldsymbol{arphi}}}}$ if the item applies or a cross $oldsymbol{oldsymbol{\mathbb{K}}}$ if the item does			
required) have been briefed on the for the job	he requirements of the electrical permit (if e SWMS/SWIs/documented safe work practice the controls recorded in this document and	have been briefed on Safety Dat have been briefed on the WHS N		
Name	Signature	Time of briefing:	Amendment briefing: hh:mm and initial	

TOA Worksite Protection Bombo Tunnel



Worksite Protection Plan – Track Occupancy Authority (TOA) Signaller Details

Oignanci Betai	113			
	name	Wollongong Coast Panel		02 4223 5766
Protection Offi	icer Details			
	name	signature		contact No.
	RSW or RIW No.	designation	Planned duration	
Workplace Su	pervisor details:			
Type of work:	Routine network maintenand	ce activities		
Worksite L	ocation.			
On the		South Coast Branch Line		
between	44.6 Home Signal	and	45.5 Home Signal	

The following are diagrams, notes and detailed instructions. These are to be read and followed as part of this worksite protection plan for TOA..

INSTRUCTIONS:	1. Workers enter the rail corridor via Access Gate I00 117.683 U		
	Protection Officer conducts the worksite protection pre-work briefing.		
	3. Protection Officer contacts the Signaller at Wollongong Coast Panel and requests TOA.		
	 Instruct Qualified Workers to remove EOL key from 50 and 54 points, place Railway Track Signal protection with a Worksite Protection Marker at 117.215 KM on the South Coast Branch Line and 119.455 KM on the South Coast Branch Line. 		
	5. Protection Officer informs the workplace supervisor that it is safe for work to start.		
	6. Workers start work.		
	7. After all work is completed, move all workers and equipment into a safe place.		
	8. Instruct Qualified Workers to remove Railway Track Signal protection, Worksite Protection Markers from the TOA and return EOL key to 50 and 54 points		
	9. Workers egress the rail corridor via 100 117.683 U		
	10. After all protection is removed, Protection Officer contacts the Signaller Wollongong Coast Panel that work is complete, all protection has been removed from the line, workers and equipment are clear of the Danger Zone and if any restrictions have been applied to fulfil the TOA.		
ADDITIONAL	EOL/ESML must be secured to protect TOA as per NLA 418.		
INFORMATION	In the event rail traffic is stabled in the Turntable or Kiama Down Siding the protection officer will place 3 Railway		
	Track Signals and a Worksite protection marker directly in front of the stabled rail traffic to prevent unauthorised movements within the TOA and complete section 7 of NRF 002 with the issuing signaller.		

SWI Custodian: Maintenance Operations Manager South Coast Territory SWI Approver: Deputy Executive Director Network Maintenance

OFFICIAL UNCONTROLLED COPY WHEN PRINTED

TOA Worksite Protection Bombo Tunnel



TOA LIMITS:



Image 1: Wollongong Side TOA Limits 44.7 Home signal



Image 2: Wollongong Side TOA Limits 44.3Home



Image 3: Berry Side TOA Limits 45.6 Signal

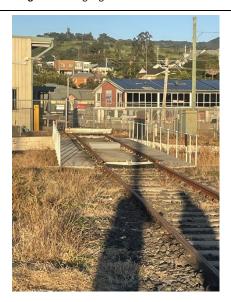


Image 4: Berry Side TOA Limits – End of Terminal Line Turntable Siding Kiama

TOA Worksite Protection Bombo Tunnel





Image 5: Berry Side TOA Limits – End of Terminal Line Kiama Down Siding





Image: EOL Cabinet 54 points

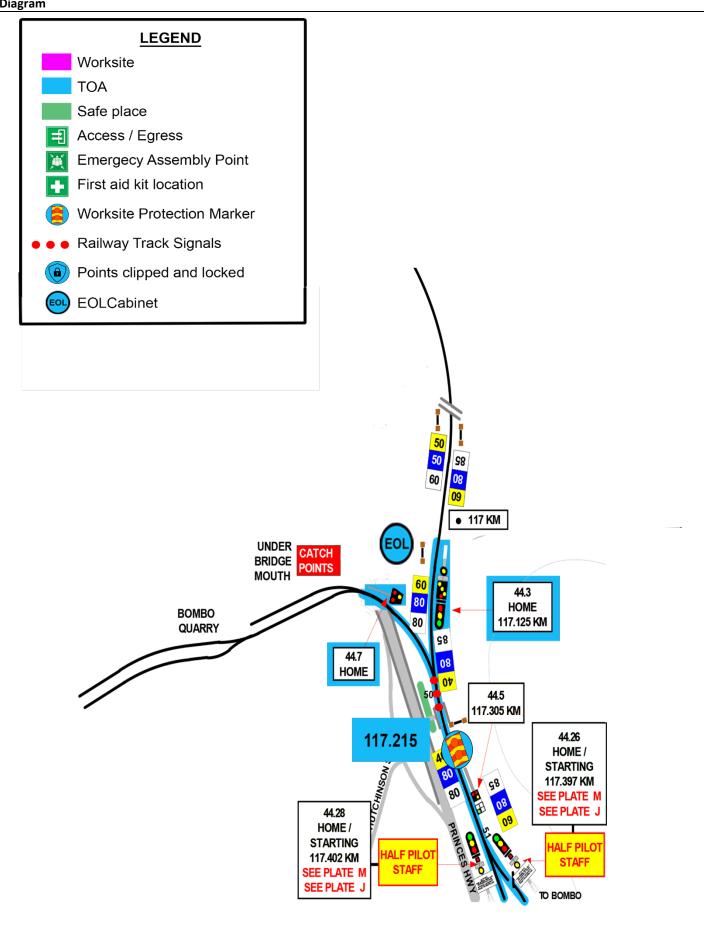


Image: EOL Cabinet 50 points

TOA Worksite Protection Bombo Tunnel

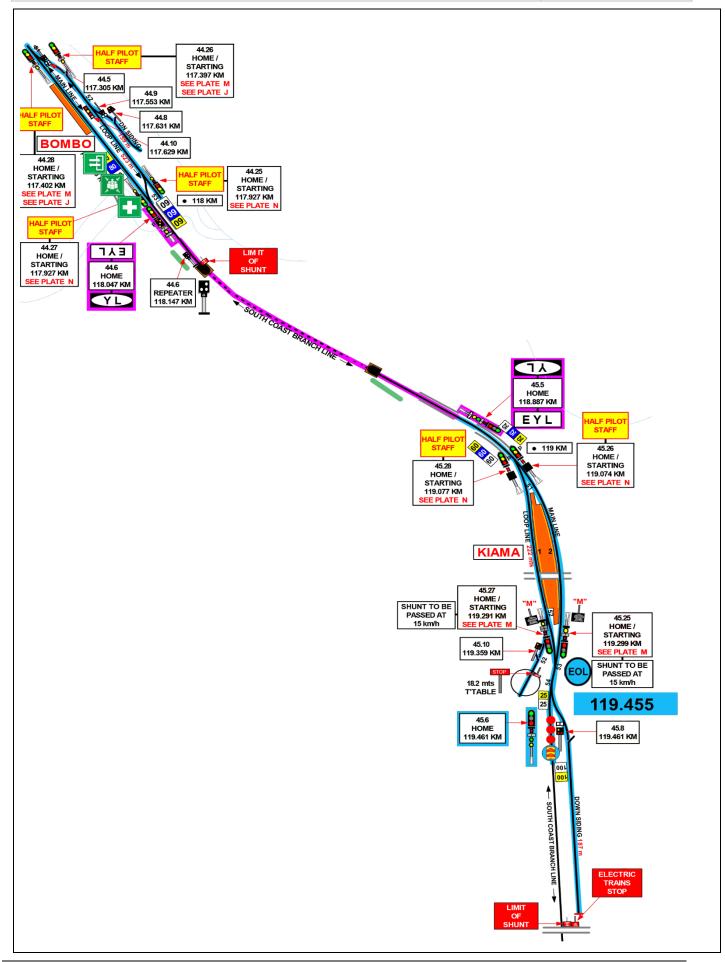


Diagram



TOA Worksite Protection Bombo Tunnel





TOA Worksite Protection Bombo Tunnel



Protection Officer's diary

Date	Time	Notes
]		
		
]		
		
]		
]		